

Supplementary file 1

Table: Examination of the common factors that propel vaccinations and organ donations

a) Results of the Pearson's correlation coefficients

	1)	2)	3)	4)	5)	6)
1) Progress of vaccinations ⁽¹⁾	-					
Pearson's correlation coefficients						
(Number of valid variables)						
2) Trust in medical professionals ⁽²⁾		-				
Pearson's correlation coefficients	0.438**					
(Number of valid variables)	(38)					
3) Trust in the government ⁽³⁾			-			
Pearson's correlation coefficients	0.451**	0.586**				
(Number of valid variables)	(37)	(37)				
4) Social solidarity ⁽⁴⁾				-		
Pearson's correlation coefficients	0.232	0.734**	0.643**			

(Number of valid variables)	(26)	(26)	(25)		
5) GDP ⁽⁵⁾					-
Pearson's correlation coefficients	0.348*	0.502**	0.663**	0.604**	
(Number of valid variables)	(38)	(38)	(37)	(26)	
6) Organ donations ⁽⁶⁾					-
Pearson's correlation coefficients	0.457**	0.592**	0.267	0.497*	0.453**
(Number of valid variables)	(37)	(37)	(36)	(25)	(37)

**p<0.01, *p<0.05.

b) Results of the multiple linear regression

Response variable	Explanatory variable	Unstandardized		Standardized	t value	Adjusted R Square
		Coefficients		Coefficients		
		B	St. Error	β		
Progress of vaccinations ⁽¹⁾	Trust in medical professionals ^{(2)**}	0.432	0.126	0.801	3.416	0.412
	Trust in the government ⁽³⁾	0.231	0.171	0.358	1.352	

	Social solidarity ^{(4)*}	-106.407	43.391	-0.636	-2.452	
	GDP ⁽⁵⁾	0.037	0.105	0.087	0.349	
	(Const.)**	121.410	30.409		3.993	
Organ	Trust in medical professionals ^{(2)**}	0.948	0.259	0.812	3.655	0.486
donations ⁽⁶⁾	Trust in the government ⁽³⁾	-0.395	0.350	-0.264	-1.129	
	Social solidarity ⁽⁴⁾	15.754	95.876	0.044	0.170	
	GDP ⁽⁵⁾	0.098	0.262	0.087	0.373	
	(Const.)	14.336	64.583		0.222	

**p<0.01, *p<0.05.

- (1) The degree of COVID-19 vaccination progress utilizes data as of October 1, 2021. Data source: Our World in Data (<https://ourworldindata.org/covid-vaccinations>) “Share of people vaccinated against COVID-19,” which indicates the percentage of vaccinated people in the population. Those both fully and partly vaccinated against COVID-19 were included in the study.
- (2) Gallup. “Confidence and trust in health professionals and hospitals” (Chart 3.6 & Q11E in Appendix D: Dataset and crosstabs for all countries). Wellcome Global Monitor 2018 (<https://wellcome.org/reports/wellcome-global-monitor/2018>).
- (3) OECD. “Trust in Government” (10. Core Government Results). Government at a Glance (2019). <https://doi.org/10.1787/8ccf5c38-en>.
- (4) “Solidarity index by country” (Table 5). Sanz García M, Caselles A, Micó Ruiz JC, Soler Fernández D. Development of the Happiness Index in a country. Systems & Design: Beyond Processes and Thinking (2016) 807–818. <http://dx.doi.org/10.4995/IFDP.2016.3096>.
- (5) International Monetary Fund. GDP (nominal) per capita. "World Economic Outlook Database, April 2021".
- (6) Organ transplant data shows the number of transplants per one million population in all countries in 2019. Global Observatory on Donation and Transplantation(<http://www.transplant-observatory.org/>) was utilized.